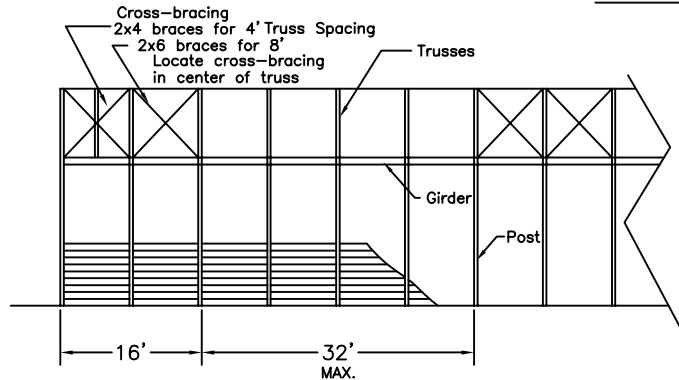
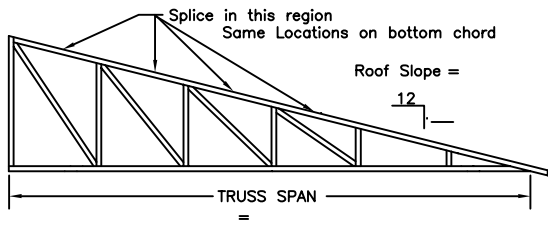


NOTE: Truss Span measured from outside edge of outside girder, use when ordering trusses and setting posts.



DIAGONAL BRACING



TYPICAL TRUSS

ROOF COMPONENTS

TRUSS SPAN = \_\_\_\_\_

TRUSS SPACING = \_\_\_\_\_

POST SPACING = \_\_\_\_\_

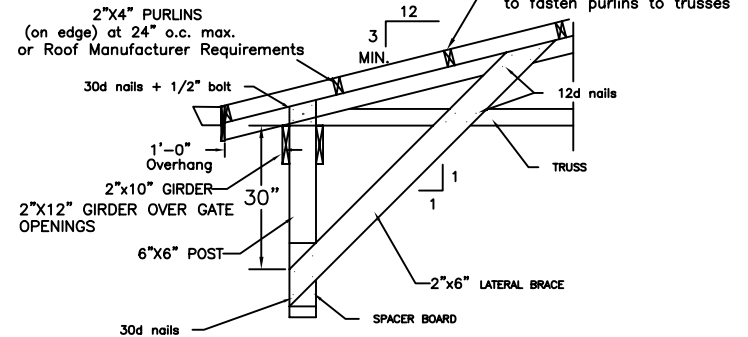
PURLIN SPACING = \_\_\_\_\_

TYPE OF ROOF = \_\_\_\_\_

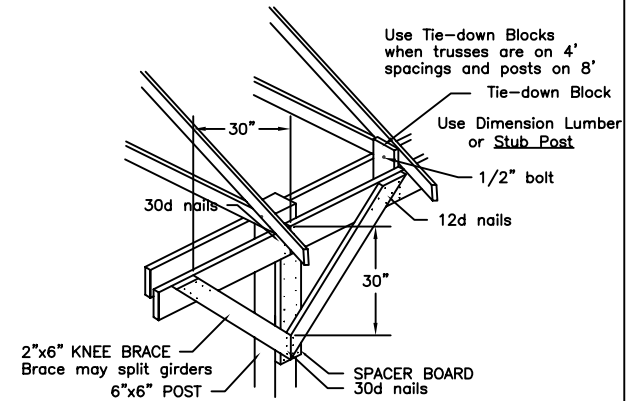
NOTES

1. Lateral braces fasten the truss to the post and stiffen the walls laterally across the building width. Fasten brace as shown in detail. Note that the brace extends to the upper chord of the truss.
2. Diagonal bracing, also called cross bracing, keeps trusses vertical and prevents the truss from buckling from wind loading. Install bracing at each end of the building and at intervals shown in detail; Diagonally brace ends of buildings more than 18' wide or 8' high.
3. Bottom chord bracing replaces a ceiling and prevents buckling of the bottom chord. Install 2x4's continuously the entire length of the building.
4. Knee bracing will be used when truss spacing does not match post spacing and on posts by gate openings.
5. Fasteners—Special nails or screws with sealing washers are used to fasten metal roofing. Only buy fasteners designed for this use and follow manufacturer's application instructions.
6. If building your own trusses obtain a professional design or equivalent.
7. A min. equivalent roof design shall provide for a uniform load to meet the county code or 25psf, which ever is greater.
8. Splices Use full-length top chord and bottom chord lumber if possible. When splices are necessary, locate them as shown. Do not locate chord splices at the panel points because the combinations of forces from the chords and webs overload the joints. All splices: use 1" lumber the same width as the pieces to be joined. Glue-nail 16" length for 2x4's, and 24" lengths for 2x6s and up, on both sides of the joint. For 2x4 splices, 1/2" plywood can be used instead of 1" lumber; for 2x6s and up use 3/4" plywood. Face grain must be parallel to the chord.
9. ALWAYS FOLLOW MANUFACTURER'S RECOMMENDATIONS.

For 4' Truss Spacing 2"x4" Purlins may be laid flat



POST TO TRUSS (LATERAL) BRACING



KNEE BRACE DETAIL

ROOF ASSEMBLY DETAILS  
HALF TRUSS

U.S. DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE

DESIGNED _____	DATE _____	APPROVED BY _____	DATE _____
DRAWN <u>D FAUBER</u>	<u>3/95</u>	TITLE _____	CONST. APPROVAL _____
TRACED _____	INCH _____	SHEET _____	OH500695
CHECKED _____	OF _____		